

## **Infection Control Construction Permit**

Proje	Project Title and Project #: OR AHU Retro  Permit No:										
Locat	tion o	f Con	estruction: Bldg 10		Proje	Project Start Date:					
	ct Co					Estimated Duration:					
			forming Work:		Permit Expiration Date:						
	rvisor		5 <u>6</u>	_							
					Telephone:						
YES	NO		ISTRUCTION ACTIVITY	NO	INFECTION CONTROL RISK GROUP						
		TYPE	A: Inspection, non-invasive activity			GROUP 1: Low Risk					
		TYPE	B: Small scale, short duration,		GROUP 2: Medium Risk						
			moderate to high levels								
		TYPE	C: Activity generates moderate to high levels of			GROUP 3: Medium/High Risk					
V			dust, requires greater 1 work shift for completion	V		1					
		TYPE	D: Major duration and construction activities			GROUP 4: Highest Risk					
	_		Requiring consecutive work shifts	لـــــــا							
		1.	Execute work by methods to minimize raising dust from con		n operat	tions.					
CLAS	SI	2. 3.	Immediately replace any ceiling tile displaced for visual inspe	ection.							
Contract No.	52 II	1.	Minor Demolition for Remodeling.	oto a tak							
		2.	Provides active means to prevent air-borne dust from disper Water mist work surfaces to control dust while cutting.	rsing into	o atmos	phere.					
		3.	Seal unused doors with duct tape.								
		4.	Block off and seal air vents.								
CLAS	c II	5.	Wipe surfaces with disinfectant.								
CLAS.	3 11	6.	Contain construction waste before transport in tightly cover	red cont	ainers.						
		7.	Wet mop and/or vacuum with HEPA filtered vacuum before			ea.					
		.8.	Place dust mat at entrance and exit of work area.								
		9.	Remove or isolate HVAC system in areas where work is being performed.								
		1.	Obtain infection control permit before construction begins.			*					
		2.	Isolate HVAC system in area where work is being done to prevent contamination of the duct system.								
		3.	Complete all critical barriers or implement control cube method before construction begins.								
		4.	Vacuum work with HEPA filtered vacuums.								
		5. 6	Wet mop with disinfectant.								
CLASS	S III	6.	Remove barrier materials carefully to minimize spreading of	dirt and	l debris a	associated with construction.					
~ _	_	7. 8.	Contain construction waste before transport in.  Maintain negative air pressure within work site utilizing HEP.	14 caulo	ad air f	tilaatta.					
BU		9.	Do not remove barriers from work area until complete proje	A equip	ped air i	iltration units.					
		10.	Contain construction waste before transport in tightly covered			cleaned by the Environmental Care, Fivis.					
		11.	Cover transport receptacles or carts. Tape covering unless so		alliers.						
		12.	Remove or isolate HVAC system in areas where work is being		med.						
		1.	Obtain infection control permit before construction begins.	3 Per	iliou.						
		2.	Isolate HVAC system in area where work is being done to pre	event co	ntamina	ation of duct system.					
		3.	Complete all critical barriers or implement control cube met								
		4.	Maintain negative air pressure within work site utilizing HEPA								
		5.	Seal holes, pipes, conduits, and punctures appropriately.								
		6.	Construct anteroom. Require all personnel to pass through t	this roor	m to be	vacuumed using a HEPA vacuum cleaner					
			before leaving work site or they can wear cloth or paper cover		at are re	emoved each time they leave the work site.					
CLASS	SIV	7.	All personnel entering work site are required to wear shoe co								
		8.	Do not remove barriers from work area until completed proj	ect is th	oroughl	y cleaned by the Environmental Care, FMS.					
		9.	Vacuum work area with HEPA filtered vacuums.								
		10.	Wet mop with disinfectant.			2 2 1 N.Y 3 N.					
		11. 12.									
		13.	Contain construction waste before transport in tightly covered Cover transport receptacles or carts. Tape covering unless so		iners.						
		14.	Remove or isolate HVAC system in areas where is being done								
Addition	al Regu			ž							
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Permit Request By:

Signature and Date:

Permit Authorized By:

Signature and Date:

Signature and Date:



## Infection Control Risk Assessment Matrix of Precautions for Construction & Renovation

**STEP ONE:** Using the following table, identify the Type (A-D) of Construction Project Activity.

Туре	Construction Project Activity						
	Inspection and Non-Invasive Activities.						
	Include, but are not limited to:						
	<ul> <li>Removal of ceiling tiles for visual inspection limited to 1 tile per 50 square</li> </ul>						
Type A	feet.						
Type A	<ul><li>Painting (but not sanding).</li></ul>						
	<ul> <li>Wall covering, electrical trim work, minor plumbing, and activities that do</li> </ul>						
	not generate dust or require cutting of walls or access to ceilings other						
	than for visual inspection.						
	Small scale, short duration activities that create minimal dust.						
	Include, but are not limited to:						
Type B	<ul> <li>Installation of telephone and computer cabling.</li> </ul>						
	<ul> <li>Access to chase spaces.</li> </ul>						
	<ul> <li>Cutting of walls or ceiling where dust migration can be controlled.</li> </ul>						
	Work that generates a moderate to high level of dust or requires demolition						
	or removal of any fixed building components or assemblies.						
	Includes, but is not limited to:						
	<ul> <li>Sanding of walls for painting or wall covering.</li> </ul>						
Type C	<ul> <li>Removal of floor coverings, ceiling tiles, and casework.</li> </ul>						
	New wall construction.						
	<ul> <li>Minor duct work or electrical work above ceilings.</li> </ul>						
	Major cabling activities.						
	<ul> <li>Any activity that cannot be completed within a single work shift.</li> </ul>						
	Major demolition and construction projects.						
	Includes, but is not limited to:						
Type D	<ul> <li>Activities that require consecutive work shifts.</li> </ul>						
	Requires heavy demolition or removal of a complete cabling system.						
	New construction.						

TYPE OF CONSTRUCTION PROJECT ACTIVITY:





**STEP TWO:** Using the following table, identify the Patient Risk Groups that will be affected. *If more than one risk group will be affected, select the higher risk group.* 

Low Risk	Medium Risk	High Risk	Highest Risk
■ Office areas	<ul> <li>Cardiology</li> <li>Echocardiography</li> <li>Endoscopy</li> <li>Nuclear Medicine</li> <li>Physical Therapy</li> <li>Radiology/MRI</li> <li>Respiratory Therapy</li> <li>Outpatient Clinics</li> </ul>	<ul> <li>Emergency Room</li> <li>Labor &amp; Delivery</li> <li>Clinical Laboratories</li> <li>Pediatrics</li> <li>Pharmacy</li> <li>Post Anesthesia Care Unit</li> <li>Surgical Units</li> </ul>	<ul> <li>Any area caring for immuno-compromised patients</li> <li>Burn Unit</li> <li>Cardiac Cath Lab</li> <li>Supply, Processing, and Distribution</li> <li>All inpatient medical or surgical units</li> <li>Medical Unit</li> <li>Negative pressure isolation rooms</li> <li>Outpatient chemotherapy areas</li> <li>Operating Rooms</li> </ul>

PATIENT RISK GROUP: Highest Risk

STEP THREE: Match the...

Patient Risk Group (Low, Medium, High, Highest) with the planned Construction Project Type (A, B, C, D) on the following matrix, to find the Class of Precautions (I, II, III, or IV) or level of infection control activities required.

(Class I-IV or Color-Coded Precautions are delineated on the following table.)

## IC Matrix Class of Precautions: Construction Project by Patient Risk Construction Project Type

Patient Risk Group	TYPE A	ТҮРЕ В	TYPE C	TYPE D
LOW Risk Group	l (green)	ii (yellow)	II (yellow)	III/IV (pink)
MEDIUM Risk Group	l (green)	li (yellow)	III (pink)	IV (red)
HIGH Risk Group	l (green)	ll (yellow)	III/IV (pink)	IV (red)
HIGHEST Risk Group	II (yellow)	III/IV (pink)	III/IV (pink)	IV (red)

Note: Infection Control approval is required for all construction or renovation activities.

CLASS OF PRECAUTIONS: TINK

**Description of Required Infection Control Precautions by Class** 



CLASS		During Construction Project	Upon Completion of the Project
CLASS I		Execute work by methods to minimize dust dispersal from minor flooring or surface disruptions. Immediately replace a ceiling tile displaced for visual inspection.	Clean up any dust that may have been generated with HEPA filtered vacuum or damp mop.
CLASS II	<ul><li>3.</li><li>4.</li><li>5.</li><li>6.</li></ul>	Provide active means to prevent airborne dust from dispersing into atmosphere with use of control cubes or other dust barriers. Remove or isolate HVAC system in areas where work is being performed. Water mist work surfaces to control dust while cutting. Seal unused doors with duct tape. Block off and seal air vents. Place tacky mat at entrance and exit of work area and change frequently or when ineffective.  above and:	<ol> <li>Wet mop and/or vacuum with HEPA-filtered vacuum before leaving work area and wipe work surfaces with disinfectant.</li> <li>Contain construction waste before transport in tightly covered containers. Tape may be used to ensure a tight cover.</li> <li>Remove isolation of HVAC system in areas when work has been completed.</li> </ol>
CLASS III	<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>	Complete all critical barriers, i.e., sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method before construction begins.  Maintain negative air pressure (NPV) within the work site utilizing HEPA-equipped air filtration units.  NPV monitoring devices should be visible from outside the worksite and readings should be documented daily or more often as needed.  Contain construction waste before transport in tightly covered containers. Tape covering unless solid lid.	<ol> <li>Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction.</li> <li>Do not remove barriers from work area until completed project is thoroughly cleaned by Environmental Management Services Department and inspected by FMS, Safety and Infection Control.</li> </ol>



CLASS	<b>During Construction Project</b>	Upon Completion of the Project
CLASS IV	<ol> <li>Seal holes, pipes, conduits, and punctures appropriately.</li> <li>Construct anteroom and require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving work site OR they can wear cloth or paper coveralls that are removed each time they leave the work site.</li> <li>All personnel entering work site are required to wear shoe covers. Shoe covers must be changed each time the worker exits the work area.</li> </ol>	As above

**STEP 4:** Identify the areas surrounding the project area, assessing potential impact.

Unit Below	Unit Above	Lateral	Lateral	Behind	Front	
AIA	NIA	A rooms	Lalway	s Rooms	Hallwar	15
Risk Group						

**STEP 5:** Identify specific site of activity, e.g., patient rooms, medication room, etc.

Hallway	4	Pt	moon	4	Mec	Laxical	Roon	Storage	area
·								ð	

**STEP 6:** Identify issues related to: ventilation, plumbing, and electrical, in terms of the occurrence of probable outages.

Vertilation Air Landler stutdown 3 days (NO AIIR)

**STEP 7:** Identify containment measures using prior assessment. What types of barriers (e.g. solid wall barriers)? Will HEPA filtration be required?

Solid plastic walls sealed + nigative air filtration 24/7

Note: Renovation/construction area shall be isolated from the occupied areas during construction and shall be negative with respect to surrounding areas.



integrity (e.g., wall, ceiling, roof)?
None Anticipated.
STEP 9: Work hours: Can or will the work be done during non-patient-care hours?
Continuous
STEP 10: Do plans allow for adequate number of isolation/negative airflow rooms?
NIA
<b>STEP 11:</b> Do the plans allow for the required number and type of hand washing sinks?
NIA.
STEP 12: Does the infection control staff agree with the minimum number of sinks for this project? (Verify against the American Institute of Architects Guidelines for types and area.)
NIA.
<b>STEP 13:</b> Does the infection control staff agree with the plans relative to clean and soiled utility rooms?
NIA.
<b>STEP 14:</b> Plan to discuss the following containment issues with the project team: traffic flow, housekeeping, and debris removal (how and when).
Traffic route for debris removal identified
Traffic route for debris removal identified  Risk for Tuberculosis (TB): € HIGH € LOW  If HIGH risk, was TB test documentation received from contractor?  € YES € NO € NA
Comments:
Water shut down > month? New Water system installed? (Must be cleaned and disinfected before use) $NA$

The ICRA may be modified throughout the project. Revisions must be communicated to the Project Manager.